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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/649,898	08/26/2003	Felix I. Alexandrov	03-1-521	5621
7590 09/10/2004			EXAMINER	
Carlo S. Bessone			PHILOGENE, HAISSA	
OSRAM SYLVANIA, INC. 100 Endicott Street			ART UNIT	PAPER NUMBER
Danvers, MA 01923			2828	
		DATE MAILED: 09/10/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)
	10/649,898	ALEXANDROV, FELIX I.
Office Action Summary	Examiner	Art Unit
	Haissa Philogene	2828
The MAILING DATE of this communication appeared for Reply	ppears on the cover sheet wit	th the correspondence address
A SHORTENED STATUTORY PERIOD FOR REP THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a re - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statu - Any reply received by the Office later than three months after the mailine - earned patent term adjustment. See 37 CFR 1.704(b).	136(a). In no event, however, may a re ply within the statutory minimum of thirty d will apply and will expire SIX (6) MONT te. cause the application to become AB.	rply be timely filed r (30) days will be considered timely. THS from the mailing date of this communication. ANDONED (35 U.S.C. & 133)
Status		
1)⊠ Responsive to communication(s) filed on <u>26</u> . 2a)□ This action is FINAL. 2b)⊠ Th 3)□ Since this application is in condition for allowed closed in accordance with the practice under	is action is non-final. ance except for formal matte	-
Disposition of Claims		
4) ☐ Claim(s) 1-14 is/are pending in the applicatio 4a) Of the above claim(s) is/are withdres 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 1-4 and 8-11 is/are rejected. 7) ☐ Claim(s) 5-7 and 12-14 is/are objected to. 8) ☐ Claim(s) are subject to restriction and/ Application Papers 9) ☐ The specification is objected to by the Examin	awn from consideration. Or election requirement.	
10) ☐ The drawing(s) filed on <u>08/26/03</u> is/are: a) ☐ Applicant may not request that any objection to the Replacement drawing sheet(s) including the corre	accepted or b) objected to drawing(s) be held in abeyand oction is required if the drawing(ce. See 37 CFR 1.85(a). s) is objected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreig a) All b) Some * c) None of: 1. Certified copies of the priority documer 2. Certified copies of the priority documer 3. Copies of the certified copies of the pri application from the International Burea * See the attached detailed Office action for a list	nts have been received. Its have been received in Aporty documents have been and (PCT Rule 17.2(a)).	oplication No received in this National Stage
Attachment(s)		
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)		ummary (PTO-413) /Mail Date

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Paper No(s)/Mail Date _

2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)

6) Other: _

5) Notice of Informal Patent Application (PTO-152)

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DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-4 and 8-11 are rejected under 35 U.S.C. 102(b) as being anticipated by Chang et al., Patent No. 6,016,257.

As per claims 1 and 9, Chang discloses in Figs. 1 and 7-10 a ballast for a discharge lamp (L1) and an operating method thereof comprising a driver circuit (216); a timing circuit (300) connected to said driver circuit via logic 214 and line 124; a resonant inverter (A, B) connected to said driver circuit and having an output voltage; and a feedback circuit (210-250 in fig.8) that connects the output voltage (in line 105) from said resonant inverter to said timing circuit via wave shaping circuit 210 and line 120, said feedback circuit including a phase shifting circuit (208) that selectively shifts a phase of the output voltage from said resonant inverter via feedback gain 250 and compensator 270 (see Col.9, lines 41-52 and Col.11, lines 27-28 and also Fig.9).

As per claim 2, Chang discloses said phase shifting circuit (208) comprising a further inverter (T10, T12 and remaining components inside the dotted box) connected to an input to said timing circuit (300) via wave shaping circuit 210 (see also Fig.10).

As per claims 3 and 10, Chang discloses said feedback circuit further comprising a compensator 270 readable as an attenuation circuit that includes a capacitive divider

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(C42, C44 in a feedback path) connected between the output voltage (in line 105) via feedback gain 250 and an input (in line 150) to said further inverter or between the output voltage (in line 105) via feedback gain 250 and the timing circuit (300) via the phase shifting circuit 208 and wave shaping circuit 210.

As per claims 4 and 11, Chang discloses said phase shifting circuit (208) comprising plural RC phase-shifting networks (R58, C16; R56, C14; and others shown but not labeled).

As per claim 8, Chang discloses a switch (214) operated by at least a PWM input (in line 122) and connected to said timing circuit (300) via pin 3 (see Fig.10).

Allowable Subject Matter

Claims 5-7 and 12-14 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Houkes, Patent No. 4,748,383; Statnic, Patent No. 5,962,987; Buij et al., Patent No. 5,982,108.

Correspondence

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Haissa Philogene whose telephone number is (571) 272-1827. The examiner can normally be reached on 6:30 A.M.-6:00 P.M..

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, MinSun Harvey can be reached on (571) 272-1835. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

hp

Haissa Philogene Primery Examiner A.U. 2824 au F.a.